

EGAD

HT1220 Report

RECORD INFORMATION

Gene ID: 1220
Sequence ID: 1220
Protein ID: 1220
Sequence name: thrombospondin 1, alt. transcript 1
Genome: nucleus
Taxon: Homo sapiens
Locus: 1220
Common Name: thrombospondin 1
Role ID: 40

Coding sequence length: 3513 nt
Transcript sequence length: 5722 nt
Expression data: THC201673

ACCESSION DATA

HT1220 is derived from accessions(s):

SP:P07996 (THROMBOSPONDIN 1 PRECURSOR.)
GB:X04665 (Human mRNA for thrombospondin)
GB:X14787 (Human mRNA for thrombospondin)
GB:U12471 (thrombospondin-p50 {Homo sapiens})
GB:M99425 (Human thrombospondin mRNA, 3' end.)
PIR:G01478 (thrombospondin-p50 - human (fragment))
GB:U12471 (Human thrombospondin-1 gene, partial cds.)
GB:J04835 (Human thrombospondin gene, exons 1, 2 and 3.)
GB:M25631 (Homo sapiens (clone lambda-TS-33) thrombospondin (THBS) mRNA, 5' end.)

ALTERNATIVE SPLICING INFORMATION

Alternative splice forms for this gene:

HT3987 thrombospondin 1, alt. transcript 2

MAPPING DATA

GDB accession(s) for this gene:

GDB ID: Symbol

gdb:120438 THBS1

cDNA FEATURES

Feature	End 5	End 3
coding_seq	112	3624
3'UT	3625	5722
spjunc_h	1235	1236

SEQUENCE

nucleotide:

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protein:

MGLAWGLGVLF LMHVCGTNRIPESGGDNSVFDI FELTGAAARKGSGRRLVKGPDPSSPAFR

IEDANLIPPVDPDKFQDLVDAVRAEKGFLLASLRQMKKTRGTLLALERKDHSQVFSVV
SNGKAGTLDLSLTQGKQHVSVEEALLATGQWKSITLFVQEDRAQLYIDCEKMENAELD
VPIQSVFTRDLASIARLRIAKGGVNDNFQGVLQNVRFVFGTTPEDILRNKGCSSTSVL
TLDNNVNGSSPAIRTNIGHKTDLQACGISCDELSSMVLELRGLRTIVTTLQDSIRK
VTEENKELANELRRPLCYHNGVQYRNNEEWTDSCTECHCQNSVTICKVSCPIMPCSN
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DYAGFVFGYQSSSRFYVVMWKQVTQSYWDTNPTRAQGYSGLSVKVNVSTTGPGEHLRNAL
WHTGNTPGQVRTLWHDPRHIGWKDFTAYRWRLSHRPKTGFIRVVMYEGKKIMADSGPIYD
KTYAGGRGLGLFVFSQEMVFFSDLKYECRDP





HT2143 Report

RECORD INFORMATION

Gene ID: 2081
Sequence ID: 2143
Protein ID: 2125
Sequence name: thrombospondin 4
Genome: nucleus
Taxon: Homo sapiens
Locus: 2081
Common Name: thrombospondin 4
Role ID: 40

Coding sequence length: 2886 nt
Transcript sequence length: 3074 nt
Expression data: THC168897

ACCESSION DATA

HT2143 is derived from accessions(s):

SP:P35443 (THROMBOSPONDIN 4 PRECURSOR.)
GB:Z19585 (thrombospondin-4 {Homo sapiens})
GB:Z19585 (H.sapiens mRNA for thrombospondin-4)
PIR:A55710 (thrombospondin 4 precursor - human)

cDNA FEATURES

Feature	End 5	End 3
coding_seq	28	2913
3'UT	2914	3074

SEQUENCE

nucleotide:

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protein:

MLAPRGAAVLLLHLVLQRWLAAGAQAQPQVF DLLPSSSSQR LNP GALLPV LTD PALNDLYV
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 DGRRHILLRLSNLQRGAGSLELYLDCI QVDSVHNL PRAFAGPSQKPETIELRTFQRKPQ
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 LRQQVKETSFLRNTIAECQACGPLKFQSPTVAPAPPAPTRPPRRCDSNPCFRGVQ
 CTDSRDGFQCGPCPEGYTGNIGITCIDVDECKYHPCYPGVHICINLSPGFRCDACPVGFTGP
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 NCKKDNCYVPNNSQEDADRDGIGDADGDIKNILDNCPKFPNRDQRDKDGDGVGD
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ACDSCPDSNPQSDVDNDLVGDSCDTNQDSGDGHQDSTDNCPTVINSALDTDKGIG
DECDDDDNDGIPDLPVPPGPDPNCRLVPNPAQEDNSDGVGDICESDFDQDQVIDRIDVCP
ENAEVTLTDFRAYQTVGLDPEGDAQIDPNWVVLNQGMEIVQTMNSDPGLAVGYTAFNGVD
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SKTGPGEHRLRNSLWHTGDTSDQVRLLWKDSRNVGKDKVSYRWFLQHRPQVGYIRVRFYE
GSELVADSGVTIDTTMRGGRLGVFCFSQENIIWSNLKYRCNDTIPEDFQEFQTOQNFDRFD
N



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Figure 3

Poly ID	Sequence ID	Position	Gene Description	Flanking Seq	Mutation Type	AA NT	Rel AA	All AA
G33414	11TH111220_mRNA	2210	THBS1, thrombospondin 1	TGGATGGCTGGCCGAGTGAAGACCTGATG	Missense	A	G	S
333512	11TH2143_mRNA	1186	THBS4, thrombospondin 4	GAGATATCGAAATTGGAGCCTGTCGTTCCAACT	Missense	G	C	P